

SEQUENCE LISTING

<110> Brenner, Michael B.
Valencia, Xavier

<120> Methods and Compositions for Treatment
of Inflammatory Disease Using Cadherin-11 Modulating Agents

<130> B0801/7187/ERP/MAT

<150> US 60/152,456

<151> 1999-09-03

<150> US 60/153,490

<151> 1999-09-13

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<212> DNA

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Met Lys Glu Asn Tyr Cys
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tta caa gcc gcc ctg gtg tgc ctg ggc atg ctg tgc cac agc cat gcc 221
Leu Gln Ala Ala Leu Val Cys Leu Gly Met Leu Cys His Ser His Ala
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ttt gcc cca gag cgg cgg ggg cac ctg cgg ccc tcc ttc cat ggg cac 269
Phe Ala Pro Glu Arg Arg Gly His Leu Arg Pro Ser Phe His Gly His
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cat gag aag ggc aag gag ggg cag gtg cta cag cgc tcc aag cgt ggc 317
His Glu Lys Gly Lys Glu Gly Gln Val Leu Gln Arg Ser Lys Arg Gly
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Trp Val Trp Asn Gln Phe Phe Val Ile Glu Glu Tyr Thr Gly Pro Asp
55 60 65 70

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 Pro Val Leu Val Gly Arg Leu His Ser Asp Ile Asp Ser Gly Asp Gly
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 aac att aaa tac att ctc tca ggg gaa gga gct gga acc att ttt gtg 461
 Asn Ile Lys Tyr Ile Leu Ser Gly Glu Gly Ala Gly Thr Ile Phe Val
 90 95 100
 att gat gac aaa tca ggg aac att cat gcc acc aag acg ttg gat cga 509
 Ile Asp Asp Lys Ser Gly Asn Ile His Ala Thr Lys Thr Leu Asp Arg
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 Glu Glu Arg Ala Gln Tyr Thr Leu Met Ala Gln Ala Val Asp Arg Asp
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 Thr Asn Arg Pro Leu Glu Pro Pro Ser Glu Phe Ile Val Lys Val Gln
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 Asp Ile Asn Asp Asn Pro Pro Glu Phe Leu His Glu Thr Tyr His Ala
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 aac gtg cct gag agg tcc aat gtg gga acg tca gta atc cag gtg aca 701
 Asn Val Pro Glu Arg Ser Asn Val Gly Thr Ser Val Ile Gln Val Thr
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 gct tca gat gca gat gac ccc act tat gga aat agc gcc aag tta gtg 749
 Ala Ser Asp Ala Asp Asp Pro Thr Tyr Gly Asn Ser Ala Lys Leu Val
 185 190 195
 tac agt atc ctc gaa gga caa ccc tat ttt tcg gtg gaa gca cag aca 797
 Tyr Ser Ile Leu Glu Gly Gln Pro Tyr Phe Ser Val Glu Ala Gln Thr
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 Gly Ile Ile Arg Thr Ala Leu Pro Asn Met Asp Arg Glu Ala Lys Glu
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 gag tac cac gtg gtg atc cag gcc aag gac atg ggt gga cat atg ggc 893
 Glu Tyr His Val Val Ile Gln Ala Lys Asp Met Gly Gly His Met Gly
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 gga ctc tca ggg aca acc aaa gtg acg atc aca ctg acc gat gtc aat 941
 Gly Leu Ser Gly Thr Thr Lys Val Thr Ile Thr Leu Thr Asp Val Asn
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 gac aac cca cca aag ttt ccg cag agg cta tac cag atg tct gtg tca 989
 Asp Asn Pro Pro Lys Phe Pro Gln Arg Leu Tyr Gln Met Ser Val Ser
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 Glu Ala Ala Val Pro Gly Glu Glu Val Gly Arg Val Lys Ala Lys Asp
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ggg gtg ata aag ctg aaa aag cct gta gat ttt gaa acc gaa aga gcc Gly Val Ile Lys Leu Lys Lys Pro Val Asp Phe Glu Thr Glu Arg Ala 330	335	340	1181
tat agc ttg aag gta gag gca gcc aac gtg cac atc gac ccg aag ttt Tyr Ser Leu Lys Val Glu Ala Ala Asn Val His Ile Asp Pro Lys Phe 345	350	355	1229
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gaa gtc caa gaa aat gca gct gct ggc acc gtg gtt ggg aga gtg cat Glu Val Gln Glu Asn Ala Ala Gly Thr Val Val Gly Arg Val His 395	400	405	1373
gcc aaa gac cct gat gct gcc aac agc ccg ata agg tat tcc atc gat Ala Lys Asp Pro Asp Ala Ala Asn Ser Pro Ile Arg Tyr Ser Ile Asp 410	415	420	1421
cgt cac act gac ctc gac aga ttt ttc act att aat cca gag gat ggt Arg His Thr Asp Leu Asp Arg Phe Phe Thr Ile Asn Pro Glu Asp Gly 425	430	435	1469
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aac atc act gtc ttt gca gca gaa atc cac aat cgg cat cag gaa gcc Asn Ile Thr Val Phe Ala Ala Glu Ile His Asn Arg His Gln Glu Ala 455	460	465	1565
caa gtc cca gtg gcc att agg gtc ctt gat gtc aac gat aat gct ccc Gln Val Pro Val Ala Ile Arg Val Leu Asp Val Asn Asp Asn Ala Pro 475	480	485	1613
aag ttt gct gcc cct tat gaa ggt ttc atc tgt gag agt gat cag acc Lys Phe Ala Ala Pro Tyr Glu Gly Phe Ile Cys Glu Ser Asp Gln Thr 490	495	500	1661
aag cca ctt tcc aac cag cca att gtt aca att agt gca gat gac aag Lys Pro Leu Ser Asn Gln Pro Ile Val Thr Ile Ser Ala Asp Asp Lys 505	510	515	1709
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096567-090108

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ctg gtc att gta gta ttg ttt gtg acc ctg aga agg caa aag aaa gaa Leu Val Ile Val Val Leu Phe Val Thr Leu Arg Arg Gln Lys Lys Glu 635 640 645	2093
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gac atc aaa cct gag tat cag tac atg cct aga cct ggg ctc cgg cca Asp Ile Lys Pro Glu Tyr Gln Tyr Met Pro Arg Pro Gly Leu Arg Pro 695 700 705 710	2285
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760

765

770

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775 780 785 790

act ttt gat gac gat tct taa caataacgat acaaatttgg ccttaagaac 2576
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35 40 45
Gln Arg Ser Lys Arg Gly Trp Val Trp Asn Gln Phe Phe Val Ile Glu
50 55 60
Glu Tyr Thr Gly Pro Asp Pro Val Leu Val Gly Arg Leu His Ser Asp
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Ile Asp Ser Gly Asp Gly Asn Ile Lys Tyr Ile Leu Ser Gly Glu Gly
85 90 95
Ala Gly Thr Ile Phe Val Ile Asp Asp Lys Ser Gly Asn Ile His Ala
100 105 110
Thr Lys Thr Leu Asp Arg Glu Glu Arg Ala Gln Tyr Thr Leu Met Ala
115 120 125
Gln Ala Val Asp Arg Asp Thr Asn Arg Pro Leu Glu Pro Pro Ser Glu
130 135 140
Phe Ile Val Lys Val Gln Asp Ile Asn Asp Asn Pro Pro Glu Phe Leu
145 150 155 160
His Glu Thr Tyr His Ala Asn Val Pro Glu Arg Ser Asn Val Gly Thr
165 170 175
Ser Val Ile Gln Val Thr Ala Ser Asp Ala Asp Asp Pro Thr Tyr Gly
180 185 190
Asn Ser Ala Lys Leu Val Tyr Ser Ile Leu Glu Gly Gln Pro Tyr Phe
195 200 205
Ser Val Glu Ala Gln Thr Gly Ile Ile Arg Thr Ala Leu Pro Asn Met
210 215 220
Asp Arg Glu Ala Lys Glu Glu Tyr His Val Val Ile Gln Ala Lys Asp
225 230 235 240
Met Gly Gly His Met Gly Gly Leu Ser Gly Thr Thr Lys Val Thr Ile
245 250 255
Thr Leu Thr Asp Val Asn Asp Asn Pro Pro Lys Phe Pro Gln Arg Leu
260 265 270
Tyr Gln Met Ser Val Ser Glu Ala Ala Val Pro Gly Glu Glu Val Gly
275 280 285
Arg Val Lys Ala Lys Asp Pro Asp Ile Gly Glu Asn Gly Leu Val Thr
290 295 300
Tyr Asn Ile Val Asp Gly Asp Gly Met Glu Ser Phe Glu Ile Thr Thr
305 310 315 320

Asp Tyr Glu Thr Gln Glu Gly Val Ile Lys Leu Lys Lys Pro Val Asp
325 330 335
Phe Glu Thr Glu Arg Ala Tyr Ser Leu Lys Val Glu Ala Ala Asn Val
340 345 350
His Ile Asp Pro Lys Phe Ile Ser Asn Gly Pro Phe Lys Asp Thr Val
355 360 365
Thr Val Lys Ile Ser Val Glu Asp Ala Asp Glu Pro Pro Met Phe Leu
370 375 380
Ala Pro Ser Tyr Ile His Glu Val Gln Glu Asn Ala Ala Ala Gly Thr
385 390 395 400
Val Val Gly Arg Val His Ala Lys Asp Pro Asp Ala Ala Asn Ser Pro
405 410 415
Ile Arg Tyr Ser Ile Asp Arg His Thr Asp Leu Asp Arg Phe Phe Thr
420 425 430
Ile Asn Pro Glu Asp Gly Phe Ile Lys Thr Thr Lys Pro Leu Asp Arg
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Glu Glu Thr Ala Trp Leu Asn Ile Thr Val Phe Ala Ala Glu Ile His
450 455 460
Asn Arg His Gln Glu Ala Gln Val Pro Val Ala Ile Arg Val Leu Asp
465 470 475 480
Val Asn Asp Asn Ala Pro Lys Phe Ala Ala Pro Tyr Glu Gly Phe Ile
485 490 495
Cys Glu Ser Asp Gln Thr Lys Pro Leu Ser Asn Gln Pro Ile Val Thr
500 505 510
Ile Ser Ala Asp Asp Lys Asp Asp Thr Ala Asn Gly Pro Arg Phe Ile
515 520 525
Phe Ser Leu Pro Pro Glu Ile Ile His Asn Pro Asn Phe Thr Val Arg
530 535 540
Asp Asn Arg Asp Asn Thr Ala Gly Val Tyr Ala Arg Arg Gly Gly Phe
545 550 555 560
Ser Arg Gln Lys Gln Asp Leu Tyr Leu Leu Pro Ile Val Ile Ser Asp
565 570 575
Gly Gly Ile Pro Pro Met Ser Ser Thr Asn Thr Leu Thr Ile Lys Val
580 585 590
Cys Gly Cys Asp Val Asn Gly Ala Leu Leu Ser Cys Asn Ala Glu Ala
595 600 605
Tyr Ile Leu Asn Ala Gly Leu Ser Thr Gly Ala Leu Ile Ala Ile Leu
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Ala Cys Ile Val Ile Leu Leu Val Ile Val Val Leu Phe Val Thr Leu
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Arg Arg Gln Lys Lys Glu Pro Leu Ile Val Phe Glu Glu Glu Asp Val
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Arg Glu Asn Ile Ile Thr Tyr Asp Asp Glu Gly Gly Glu Glu Asp
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Gly Phe Ile Pro Arg Lys Asp Ile Lys Pro Glu Tyr Gln Tyr Met Pro
690 695 700
Arg Pro Gly Leu Arg Pro Ala Pro Asn Ser Val Asp Val Asp Asp Phe
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Ile Asn Thr Arg Ile Gln Glu Ala Asp Asn Asp Pro Thr Ala Pro Pro
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Tyr Asp Ser Ile Gln Ile Tyr Gly Tyr Glu Gly Arg Gly Ser Val Ala
740 745 750
Gly Ser Leu Ser Ser Leu Glu Ser Ala Thr Thr Asp Ser Asp Leu Asp
755 760 765
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26

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22

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23

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32

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